

ECONOMICS

SEMESTER I

UCCOB20 - BUSINESS ECONOMICS I

| Year | Course Code | Title of the course | Course type | Course category | No. of Hours | Credits | Marks |
|------|-------------|-----------------------|-------------|-----------------|--------------|---------|-------|
| I | UCCOB20 | Business Economics –I | Theory | Core | 5 | 4 | 40+60 |

Course Objective:

1. To familiarize the students with the basic concepts of micro economics.
2. To Make students understand the demand analysis in business applications.
3. To familiarize the students with the protection and cost structure under different stages of production.
4. To understand the pricing and output decisions under various market structure.
5. To help students understand and apply the various decision tools to understand the market

Course Outcome (CO):

On the successful of completion of the course, students will be able

1. To understand the concepts of demand, nature and cost of production and its relationship to business operations.
2. To apply demand analysis to relevant economic issues
3. To analyse the causes and consequences of different market conditions
4. To integrate the concept of price and output decisions of firms under various market structure.
5. To apply marginal analysis to the firm under different market conditions.

COs consistency with POs

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 |
|----|------|------|------|------|------|------|
| 1 | H | H | M | M | H | H |
| 2 | H | H | H | M | H | H |
| 3 | H | H | H | H | H | H |
| 4 | H | H | H | M | M | H |
| 5 | H | H | H | H | H | H |

Low – L, Medium – M, High - H

COURSE SYLLABUS

Unit I: Nature and scope of Economics

15 Hours

1. Introduction & Definition of Business Economics.
2. Nature and Scope of Business Economics.

3. Relationship with other disciplines Micro & Macro.
4. Concepts applied in Business Economics.
5. Role and responsibilities of Business Economics.
6. Objectives of Business Economics

Unit II: Consumer Behaviour & Indifferent Curve Analysis

15 Hours

1. Meaning of Utility.
2. Law of Diminishing & Marginal Utility.
3. Law of Equity- Marginal Utility.
4. Indifference Curve Analysis.
5. Indifferent Schedule.
6. Indifference Curve & Indifference Map.

Unit III: Demand Analysis

15 Hours

1. Meaning of Demand, Law of Demand.
2. Individual demand and Market demand.
3. Reasons for the downward sloping of the demand curve.
4. Types of Elasticity of Demand curve.
5. Measurement of Elasticity of demand.
6. Demand forecasting.

Unit IV: Factors of Production

15 Hours

1. Meaning of different factors of production.
2. Production Possibility Curve.
3. Law of Returns to Scale.
4. Diminishing Returns to Scale.
5. Law of variable Proportions.
6. Internal and External economics and diseconomies.

Unit V: Cost Revenue and Supply

15 Hours

1. Concept of Cost of Production.
2. Different Cost of Concept – Nominal & Real cost, Implicit and explicit cost, opportunity cost, Short- run & Long run cost, Variable cost and fixed cost, Total cost, Marginal cost, Marginal cost, Average cost.
3. Theory of cost & Break even Analysis – Profit Maximization and Sales Maximization.
4. Meaning of Supply: Functions of Supply and Classifications.
5. Cost – Output relationship.
6. Cost Control & Cost Reduction.

TEXT BOOKS

1. Sankaran S- Business Economics – Margham Publications, Chennai , 2016
2. H.L. Ahuja – Business Economics – S. Chand & Company Ltd., New Delhi.

Reference Books:

1. Varshney R.L & Maheshwary K.L - Managerial Economics - S Chand & Co Ltd
New Delhi – 2008
2. Sundaram K.P.M & Sundaram E,N – Business Economics - S Chand & Co Ltd
New Delhi – 2016
3. Jhingan M.L – Principles of Economics – Vrinda Publications (P) Ltd – 2015

Web resources:

1. National association for Business Economics
2. Prime academy
3. Harvard Extension school
4. Indian School of Business and Finance, New Delhi
5. Harvard Business school online
6. Online Master of science course in Business economics
7. The American institute of Business and Economics (AIBEE)

Assessment Tools

1. Lecture (Chalk & Talk – LCD)
2. Blended classroom – E – Content videos
3. Problem solving group discussion
4. Assignments
5. Class set
6. Quiz – seminar
7. Project

SEMESTER II

UCCOD20 - BUSINESS ECONOMICS II

| Year | Course Code | Title of the course | Course type | Course category | No. of Hours | Credits | Marks |
|------|-------------|------------------------|-------------|-----------------|--------------|---------|-------|
| I | UCCOD20 | Business Economics –II | Theory | Core | 5 | 5 | 40+60 |

Course Objective:

1. To understand the functioning to the economy at the macro level.
2. To understand how the economy is regulated through monetary and fiscal policies.
3. To study the important indicators of the economy and their significance.
4. To classify different concepts of national income and its computation.
5. To obtain in depth knowledge about inflation and trade cycles

Course Outcome (CO's): On the successful completion of the course,

1. To explain the concept of macro economics
2. Understands the circular flow of income and expenditure.
3. Analyse the various pricing policies and its implementation in different business situations.
4. Analysis the causes and effects of changes in real GNP, NNP, etc.,
5. To integrate the role of fiscal and monetary policies in regulating economy.

COs consistency with POs

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 |
|----|------|------|------|------|------|------|
| 1 | M | H | H | H | M | H |
| 2 | H | M | H | H | M | H |
| 3 | H | H | M | H | H | H |
| 4 | H | H | H | H | M | H |
| 5 | H | H | H | H | H | H |

Low – L, Medium – M, High – H

Course Syllabus

Unit I: Market Structure

- 1.1 Meaning and types of Market Structure (K1, K2, K3, K4)
- 1.2 Perfect Competition: Features – Price and Output Determination (K1, K2, K3, K4)
- 1.3 Monopoly: Features – Price and Output Determination (K1, K2, K3, K4)
- 1.4 Price Discrimination (K1, K2, K3, K4)
- 1.5 Monopolistic Competition: Price and Output Determination (K1, K2, K3, K4)
- 1.6 Oligopoly and Duopoly market (K1, K2)

Unit II: Pricing Policy

- 2.1 Meaning and Objectives of Pricing Policies (K1, K2, K3, K4, K5)
- 2.2 Meaning Determining Pricing Policies(K1, K2, K3, K4, K5)
- 2.3 Different Pricing Methods(K1, K2, K3, K4, K5)
- 2.4 Specific Pricing Problems(K1, K2, K3, K4, K5)
- 2.5 Export Prices(K1, K2, K3, K4, K5)
- 2.6 Public Pricing(K1, K2, K3, K4, K5)

Unit III: Factor Pricing

- 3.1 Ricardian Theory of Rent – Quasi Rent (K1, K2, K3, K4, K5)
- 3.2 Marginal Productivity theory of Wage – Modern theory of Wage(K1, K2, K3, K4, K5)
- 3.3 Liquidity theory of Interest – Modern theory of Interest (K1, K2, K3, K4, K5)
- 3.4 Innovation theory of Profit (K1, K2, K3, K4, K5)
- 3.5 Risk theory of Profit(K1, K2, K3, K4, K5)
- 3.6 Uncertainty theory of Profit (K1, K2, K3, K4, K5)

Unit IV: National Income

- 4.1 Different concepts of National Income(K1, K2, K3, K4, K5)
- 4.2 Gross National Product (GNP) & Net National Product (NNP)(K1, K2, K3, K4, K5)
- 4.3 National Income at factor cost(K1, K2, K3, K4, K5)
- 4.4 Personal Income – Disposable Income(K1, K2, K3, K4, K5)
- 4.5 Measurement of National Income(K1, K2, K3, K4, K5)
- 4.6 Difficulties of National Income (K1, K2, K3, K4, K5)

Unit V: Inflation and Trade cycles

- 5.1 Meaning of Inflation (k1, k2)
- 5.2 Causes of Inflation – Types of Inflation(K1, K2, K3, K4, K5)
- 5.3 Inflationary Gap(K1, K2, K3, K4, K5)
- 5.4 Philips Curve(K1, K2, K3, K4, K5)
- 5.5 Meaning of trade cycles(K1, K2, K3, K4, K5)
- 5.6 Characteristics of trade cycles.(K1, K2, K3, K4, K5)

Text Books:

- 1. Sankaran S. Business Economics – Margham Publications Chennai – 2016
- 2. H L Ahuja - Business Economics – S Chand & Co Ltd New Delhi – 2016

Reference Books:

- 1. Varshney R.L &Maheshwary K.L -Managerial Economics - S Chand & Co Ltd New Delhi – 2008
- 2. Sundaram K.P.M &Sundaram E,N – Business Economics - S Chand & Co Ltd New Delhi – 2016
- 3. Jhingan M.L – Principles of Economics – Vrinda Publications (P) Ltd – 2015

Web resources:

1. National association for Business Economics
2. Prime academy
3. Harvard Extension school
4. Indian School of Business and Finance, New Delhi
5. Harvard Business school online
6. Online Master of science course in Business economics
7. The American institute of Business and Economics (AIBEE)

Assessment Tools

1. Lecture (Chalk & Talk – LCD)
2. Blended classroom – E – Content videos
3. Problem solving group discussion
4. Assignments
5. Class set
6. Quiz – seminar
7. Project

SEMESTER III
UAIED20 – ALLIED III: INDIAN ECONOMIC DEVELOPMENT POLICY

| Year / Sem | Course Code | Title of the Course | Course type | Course Category | No. of Hours | Credits | Marks |
|-------------------|--------------------|---|--------------------|------------------------|---------------------|----------------|--------------|
| II/III | UAIED20 | Allied: III-Indian Economic Development Policy | Theory | Allied | 5 | 5 | 40+60 |

Course Objective:

1. To understand the several parameters of development of the nation.
2. To introduce the students on the basic understanding and role of planning and various economic policies of the government.
3. To interpret the importance of Agriculture and Industrial Production.
4. Understanding the impact of climate change on agriculture and its related impact on food security.
5. Helps students to understand the role and importance of agricultural sector vis-à-vis public and private enterprises in the economic development of India. It also provides the students a basic idea about the service and unorganized sectors of the economy.

Course Outcome (CO):

On the successful completion of the course, students will be able to

1. Students can be aware about the process of national development and requirement for it.
2. Students will be able to better appreciate and understand the role and process of planning and how monetary and fiscal policies affect the economy.
3. Students clearly understand the role of Agriculture and Industrialization in the development of Indian Economy.
4. Against this background, students will clearly understand two major issues – food security and climate change – that has come up with changes in economic regimes at the domestic and global level.
5. Students will be able to appreciate the relative importance of industrial sector, service sector and the unorganized sector in the Indian economy.

COs consistency with POs

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 |
|----|------|------|------|------|------|------|
| 1 | H | H | H | H | H | M |
| 2 | H | M | H | H | M | M |
| 3 | H | H | M | H | H | H |
| 4 | H | H | H | H | M | H |
| 5 | H | H | H | H | H | H |

(Low – L, Medium – M, High –H)

Course Syllabus

Unit I: Growth and Development

(15 Hours)

- 1.1 Difference between Growth and Development (K1, K2, K3)
- 1.2 Characteristics of Underdeveloped Economy (K1, K2, K3, K4)
- 1.3 Factors determining Economic Development (K1, K2, K3, K4)
- 1.4 Obstacles to Economic Development (K1, K2, K3, K4)
- 1.5 Human Development Index (K1, K2, K3, K4)
- 1.6 Gender Development Index (K1, K2, K3, K4)

Unit II: Planning in India

(15 Hours)

- 2.1 Origin and Development of Planning (K1, K2, K3)
- 2.2 Types of Planning – Planning in India (K1, K2, K3)
- 2.3 History of Planning in India (K2, K3)
- 2.4 Objectives of Planning & Different Planning periods (K2, K3, K4)
- 2.5 Achievements and Failures of Planning (K1, K2, K3)
- 2.6 NITI Aayog (K2, K3, K4)

Unit III: Agriculture

(15 Hours)

- 3.1 Role of Agriculture in Indian Economy (K1, K2, K3)
- 3.2 Land Reforms (K2, K3)
- 3.3 Green Revolution (K2, K3, K4)
- 3.4 Agricultural Credit – Causes of Low productivity in Indian Agriculture (K2, K3, K4)
- 3.5 Agricultural Price Policy. (K2, K3, K4)
- 3.6 Food Security Act (K2, K3, K4)

Unit IV: Industry in India

(15 Hours)

- 4.1 Role of Industry in Indian Economy (K1, K2, K3)
- 4.2 Industrial Policy Resolution 1948, 1956 (K1, K2, K3, K4)
- 4.3 Industrial Policy Resolution 1991 (K3, K4)

- 4.4 Industrial Sickness (K3, K4)
- 4.5 Industrial Dispute (K2, K3, K4)
- 4.6 Trade Unions in India (K3, K4)

Unit V: Economic Reforms in India

(15 Hours)

- 5.1 Liberalisation, Privatisation, Globalisation (LPG). (K1, K2, K3, K4)
- 5.2 Disinvestment Policy (K1, K2, K3)
- 5.3 Public Sector (K3, K4)
- 5.4 Private Sectors (K2, K3, K4)
- 5.5 Globalisation and its Impact on Indian Economy. (K3, K4, K5)
- 5.6 Foreign Direct Investment in India (FDP) (K3, K4)

Text Books:

1. Sankaran S. -Indian Economy – Margham Publications, Chennai, 2018.
2. R. Cauvery, N. Kruparani – Monetary Economics – S. Chand & Company Limited, New Delhi, 2016. Reference Books 1.GauravDatt and AshwaniMahajan – Indian Economy – S. Chand Company, New Delhi, 2013.
3. Indian Economy: For Civil Services Examinations, McGraw Hill Education. 3. Economic Survey, Government of India. 4. Misra S. K. and Puri V.K.(2018): Indian Economy, Himalaya Publishing House, New Delhi.

Web Resources:

1. <http://exampariksha.com/study-material-notes/economics-study-materials-notes/>
2. <http://www.jagranjosh.com/general-knowledge/indian-economy-a-complete-studymaterial-1464929494-1>
3. <https://sol.du.ac.in/mod/book/view.php?id=1735&chapterid=1695>
4. <http://www.toppr.com>business-studies>
5. <http://IMS.indianeconomy.net>glossary>

Assessment Tools

1. Lecture (Chalk and Talk – LCD)
2. Flipped Learning – E-Content, Videos
3. Group Discussion – Seminar
4. Assignments – Report writing
5. Peer Learning
6. Class test
7. MCQ's
8. Group discussion
9. Project
10. Self – Study Papers

SEMESTER IV

UAITA20 - INTERNATIONAL TRADE

| Year/Semester | Course Code | Title of the Course | Course Type | Course category | No. of Hours | Credits | Marks |
|---------------|-------------|---------------------|-------------|-----------------|--------------|---------|-------|
| II/ IV | UAITA20 | International Trade | Theory | Allied | 5 | 5 | 40+60 |

Course Objective:

1. Basic and broad knowledge in international business environment, strategies, and management. Ability to apply concepts, principles, and theories to simple business situations.
2. Global perspective: Awareness of the different thinking and viewpoints of diverse cultures.
3. Awareness of the global business environment and its impacts on businesses.
4. Practical Application: Use of tools in real world scenarios.
5. To imbibe the knowledge on various aspects of International Organizations.

Course Outcome (CO):

On the successful completion of the course, students will be able to

1. Explain the concepts in international business with respect to foreign trade/international business.
2. Apply the current business phenomenon and to evaluate the global business environment in terms of economic, social, and legal aspects.
3. Analyse the principle of international business and strategies adopted by firms to expand globally.
4. Integrate concept in international business concepts with functioning of global trade.
5. Cognise about International Organizations such as IBRD, IMF and WTO.

COs Consistency with POs

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|----|-----|-----|-----|-----|-----|-----|
| 1 | H | H | M | H | M | H |
| 2 | H | H | M | H | H | M |
| 3 | H | H | H | H | M | H |
| 4 | H | M | M | H | M | H |
| 5 | H | H | H | H | H | H |

(Low – L, Medium – M, High – H)

Course Syllabus

Unit I: Foreign Trade

- 1.1 Difference between Internal and External Trade or (Inter-regional versus International Trade)(K1, K2)
- 1.2 Importance of International Trade(K1, K2, K3)
- 1.3 Theories of International trade(K1, K2, K3, K4, K5)
- 1.4 Adam Smith – Ricardo(K1, K2, K3, K4, K5)
- 1.5 Haberler's theory of International Trade(K1, K2, K3, K4, K5)
- 1.6 Heckscher – Ohlin Theory(K1, K2, K3, K4, K5)

Unit II: Terms of Trade and Balance of Payments

- 2.1 Different concept of Terms of trade: (Net Barter Terms of Trade-Gross Barter Trade-Income Terms of Trade)(K1, K2, K3, K4, K5)
- 2.2 Balance of Payments (BOP): Meaning – structure
- 2.3 Balance of Payments and Balance of Trade(K1, K2, K3)
- 2.4 Disequilibrium in BOP and Balance of Trade(K1, K2, K3, K4, K5)
- 2.5 Causes of disequilibrium in BOP(K1, K2, K3)
- 2.6 Measures for correcting disequilibrium(K1, K2, K3, K4)

Unit III: Free Trade and Protection

- 3.1 Free Trade: Introduction to Free Trade(K1, K2, K3)
- 3.2 Case for Free Trade(K1, K2, K3)
- 3.3 Case against Free Trade(K1, K2, K3)
- 3.4 Gain of Free Trade(K1, K2, K3)
- 3.5 Introduction to protection, meaning(K1, K2, K3)
- 3.6 Arguments for and against Protection(K1, K2)

Unit IV: Tariff

- 4.1 Tariff: Meaning and Types – Effects of Tariff(K1, K2)
- 4.2 Quotas: Meaning and types(K1, K2)
- 4.3 Effect of Quotas on Import –Export Management(K1, K2, K3, K4)
- 4.4 Non- Tariff: Quantitative restriction(K1, K2, K3)
- 4.5 Voluntary Export Restraints- Export procedure and Documents(K1, K2)
- 4.6 Export Finance (K1, K2, K3, K4)

Unit V: International Organisation

- 5.1 IBRD (World Banks): Introduction, history, functions(K1, K2, K3)
- 5.2 IBRD Financial model and services(K1, K2, K3)
- 5.3 IMF: Introduction, history, functions, member countries, leadership(K1, K2, K3)
- 5.4 IMF: Uses, Impact, Criticism(K1, K2, K3)
- 5.5 WTO: Introduction, history, functions, Organization structure(K1, K2, K3)
- 5.6 WTO: Decision making, agreements, criticism(K1, K2, K3)

Textbooks

1. Dr. Radha V International Economics- Prasanna Publications, Chennai- 2016
2. Sankaran – Foreign Exchange and Financing of Foreign Trade – Margham Publication, 2017

Reference Books

1. Charles W L Hill and Arun Kumar Jain- International Business: Competing in the Global Marketplace- McGraw Hill, 2007.
2. Justin Paul – International Business, 2nd Edition – Prentice Hall of India, 2007.
3. Francis Cherumilam– International Business, 5th Edition –Prentice Hall, India 2010.
4. C.JeevanandamM. Victir Louis Anthuvan – International Economics – Sultan Chand and Sons, New Delhi, 2006.

Web Resources:

1. http://www.textbooksfree.org/Economics_Appendix_A_International%20Trade.htm.
2. https://www.youtube.com/results?search_query=haberler%E2%80%99s+theory+of+international+trade
3. https://www.youtube.com/results?search_query=ricardo+and+heckscher-ohlin+theory+in+international+trade+
4. https://www.youtube.com/results?search_query=balance+of+payment+theories+in+international+trade
5. https://www.youtube.com/results?search_query=foreign+exchange+rate+theories+in+international+trade

Assessment Tools

1. Lecture(Chalk and Talk- LCD)
2. Flipped learning – E-content, videos
3. Group discussion- Seminar
4. Assignments – Report Writing
5. Peer Learning
6. Class test
7. MCQ's
8. Group discussion
9. Project
10. Self - Study papers

SEMESTER – V & VI
UGECA520 - NON- MAJOR ELECTIVE - WOMEN ENTREPRENEURSHIP

| Year/ Semester | Course Code | Title of the course | Course type | Course Category | No. of. Hours | Credits | Marks |
|-------------------|----------------|---------------------------|----------------|--------------------|------------------|---------|-------|
| V/VI | UGECA520 | Women Entrepreneurship | Theory | NME | 3 | 2 | 40+60 |

Course Objectives:

1. To provide an insight into the various functional aspects of starting and managing own business.
2. To develop entrepreneurial skills of the women students.
3. To identify the role of various financial and promotional institutions in women entrepreneurial development.
4. To know about the roles of government schemes and institutional support for women entrepreneurs.
5. To highlight the different identifications and guidelines for the project.

Course Learning Outcomes:

On the successful completion of the course, students will be able to

1. Identify the functions and challenges of an women entrepreneurship.
2. Explain the various theories of women entrepreneurship.
3. Design and develop business plans and projects.
4. Illustrate the sources of financing a business.
5. Utilize management techniques and design a project.

COs consistency with POs

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|----------|----------|-----|-----|-----|-----|-----|
| | 1 | H | H | M | H | H |
| 2 | H | H | M | H | H | M |
| 3 | H | M | H | M | H | M |
| 4 | H | M | H | M | M | H |
| 5 | H | H | H | H | H | M |

(Low– L, Medium– M, High–H)

Course Syllabus

Unit I: Introduction

(9 Hours)

- 1.1 Women Entrepreneurship: Meaning and Definition
- 1.2 Characteristics of entrepreneurs

- 1.3 Types of Women Entrepreneurship
- 1.4 Functions of Women Entrepreneurship
- 1.5 Evolution of Women Entrepreneurship in India
- 1.6 Role of Women Entrepreneurship

Unit II: Opportunities and Challenges

(9 Hours)

- 2.1 Women Entrepreneurs
- 2.2 Opportunities for an entrepreneurial career
- 2.3 Challenges faced by Women Entrepreneurship
- 2.4 Measures to improve Women Entrepreneurship
- 2.5 Factors influencing the Women Entrepreneurship
- 2.6 Entrepreneurial motivation concept

Unit III: Role of financial Institutions

(9 Hours)

- 3.1 SIDBI, DIC, CEDOK, RUDSETI: Objectives and Functions
- 3.2 SFC, EDII,: Objectives and Functions
- 3.3 Long-term and short-term financing
- 3.4 Women Empowerment and Entrepreneurial Programmes
- 3.5 Women Empowerment through Entrepreneurial Programmes
- 3.6 Success Stories

Unit IV: Government Schemes and Institutional Support

(9 Hours)

- 4.1 Bharatiya Mahila Bank, Annapurna Scheme
- 4.2 Stree Shakti, Orient Mahila Vikas Yojana Scheme
- 4.3 Dena Shakti Scheme, Udyogini Scheme
- 4.4 Cent Kalyani Scheme
- 4.5 Mahila Udyam Nithi Scheme
- 4.6 Mudra yojana Scheme for Women etc.,

Unit V: Project Identification and Formulation

(9 Hours)

- 5.1 Meaning of Project
- 5.2 Project Identification, Project Selection
- 5.3 Project Formulation (Steps)
- 5.4 Significance, Contents
- 5.5 Planning Commission's Guidelines for formulating a project report
- 5.6 Specimen of a project report

Suggested Readings:

- 1. Deepak M. Walolar: Women Entrepreneurs, Himalaya Publishing House, New Delhi.
- 2. Mridula Velagapudi, Women Entrepreneurship.
- 3. C.B Gupta and N.P. Srinivasan: Entrepreneurial Development in India, Sultan Chand and Sons, New Delhi

Web Resources:

1. <https://www.startupindia.gov.in/content/sih/en/government-schemes/web.html>
2. <https://www.womenentrepreneursindia.com/>
3. <https://inc4.com/entrepreneurship/indian-women-entrepreneurs/>
4. <https://www.womensweb.in/2015/03/30-incredible-indian-women-entrepreneurs/>
5. <https://cwe.org.in/>
6. https://www.youtube.com/watch?v=ksiONVgJF_Y
7. <https://www.neusourcestartup.com/startupindia/women-entrepreneurship-platform>
8. https://www.youtube.com/results?search_query=http%3A%2F%2Fyoutube%2FtNwdWTUQJqc%3Flis%3Dt%3D
9. https://www.youtube.com/watch?=Xy7_J9qQvJw
10. <https://www.thebalancesmb.com/online-resources-for-women-2951858>
11. <https://www.graphicssprings.com/blog/view/30-top-online-resources-for-female-entrepreneurs>.

Assessment Tools:

1. Lecture (Chalk and Talk – LCD)
2. Flipped Learning – E Content, Videos
3. Group Discussion – Seminar
4. Assignments – Report Writing
5. Field – Practical Study
6. Class test
7. MCQs
8. Group discussions
9. Project
10. Self – Study Papers

SEMESTER I & II

USECA121 - SKILL BASED ELECTIVE: STATISTICS FOR ECONOMICS

| | | | | | | | |
|--|------------------------------------|---|----------------------------------|------------------------------------|------------|----------------|-------------------------------------|
| Year: I Sem: I & II | Course Code USECA121 | Title of the Course Statistics for Economics | Course Type Theory | Course Category Core | H/W | Credits | Marks 100 40+60 |
|--|------------------------------------|---|----------------------------------|------------------------------------|------------|----------------|-------------------------------------|

Unit I

- 1.1 **Introduction:** Definitions, Functions, and Importance of Statistics
- 1.2 Sources of data
- 1.3 Methods of collecting data: primary and secondary data
- 1.4 Census and Sampling: Methods of sampling
- 1.5 Classification and Tabulation of data
- 1.6 Presentation of statistical data: Diagrams and Graphs.

Unit II

- 2.1 **Measures of Central Tendency**
- 2.2 Properties, Merits and Demerits
- 2.3 Mean, Median
- 2.4 Geometric Mean
- 2.5 Harmonic Mean
- 2.6 Mode

Unit III

- 3.1 **Measures of Dispersion:** Meaning
- 3.2 Range
- 3.3 Quartile Deviation, Mean Deviation
- 3.4 Standard Deviation
- 3.5 Variance, Coefficient of variation
- 3.6 Lorenz Curve – Merits and Demerits.

Unit IV

- 4.1 **Correlation and Regression-** Meaning
- 4.2 Types of Correlation
- 4.3 Measurement: Karl Pearson Co-efficient of Correlation
- 4.4 Spearman's Rank correlation
- 4.5 Differences between Correlation and Regression
- 4.6 Regression equations.

Unit V

- 5.1 **Analysis of Time Series and Index Number** – Meaning of Time Series
- 5.2 Components of Time Series
- 5.3 Index Number: Meaning, Problems in the Construction of Index Numbers
- 5.4 Methods of construction of Index Number
- 5.5 Laspeyre's Method
- 5.6 Paasche's method and Fisher's Index number.

Reference Books:

1. S.P. Gupta, Elementary Statistical Methods –Sultan Chand & Sons, New Delhi, 2010
2. S. P. Gupta, Statistical Methods –Sultan Chand New Delhi, 2001.
4. S.P. Gupta, Elementary Statistical Methods, Sultan Chand & Sons, New Delhi.
6. S.C. Gupta, Fundamentals of Statistics, Himalaya Publishing House, New Delhi.
5. R.S.N. Pillai & Bagavathi, Statistics –S. Chand, New Delhi, 2006.
6. S.C Gupta and V.K. Kapoor, Fundamentals of Mathematical Statistics, Sultan Chand & Sons, New Delhi.
7. P.R. Vital, Business Mathematics and Statistics.
8. K. Chandra Sekhar, Business of Statistics.
9. K. Pazhani, Statistics, J.P. Publications, Nagercoil, 2004.
10. Clarke, G.M., & Cooke, D. A Basic course in Statistics (5th ed.). Arnold.

Web Resources:

1. [Economy \(India\) Statistics - StatisticsTimes.com](http://StatisticsTimes.com)
2. [Economics And Statistics,Ministry Of Agriculture,Government Of India \(dacnet.nic.in\)](http://dacnet.nic.in)
3. [Statistical Hand Book - 2019 \(tn.gov.in\)](http://tn.gov.in)

Teaching Methodology

1. Chalk and talk
2. Video lecture
3. E- content

Assessment Tools

1. Reports
2. Assignments
3. MCQ's
4. Projects